

RECEIVED^{P.6}
CENTRAL FAX CENTER
AUG 17 2006

Bishop 57-17-4-19-14-18
Serial No. 10/786,199

Amendment to the Specification

Amend the paragraph at page 1, lines 20-29, as follows:

BRIEF SUMMARY OF THE INVENTION

In accordance with one aspect of our invention, apparatus for increasing the concentration of a chemical substance in a fluid comprises a micro-fluidic elongated channel formed in a substrate, with the channel being in fluid-flow communication with an ambient region along its elongated dimension. In general, the fluid includes first and second chemical substances having different vapor pressures. The apparatus includes an evaporation controller for increasing the evaporation rate of the fluid from the channel into the ambient region, thereby increasing the concentration of the ~~higher-lower~~ vapor pressure (~~HVP~~LVP) substance in the portion of the fluid remaining in the channel and increasing the concentration of the ~~lower-higher~~ vapor pressure (~~LVP~~HVP) substance in the portion of the fluid evaporated into the ambient region.